



<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER: 03447.0016 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/563,221
INTERNATIONAL APPLICATION NO. PCT/IB2004/002657	INTERNATIONAL FILING DATE July 2, 2004	PRIORITY DATE CLAIMED July 4, 2003
TITLE OF INVENTION: GLYCOCONJUGATES AND THEIR USE AS POTENTIAL VACCINES AGAINST INFECTION BY SHIGELLA FLEXNERI		
APPLICANTS FOR DO/EO/US: 1) Armelle PHALIPON, 2) Farida NATO, 3) Laurence MULARD, 4) Philippe SANSONETTI, 5) Françoise BALEUX, 6) Frédéric BELOT, 7) Cyrille GRANDJEAN		
Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed with the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> Information Disclosure Statement under 37 CFR 1.97 and 1.98</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A Substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154 (d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information:           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Copy of cover page of International Publication No. WO 2005/003775 A2.</li> <li>b. <input checked="" type="checkbox"/> Copy of Notification of Missing Requirements.</li> <li>c. <input type="checkbox"/> European International Search Report.</li> <li>d. <input type="checkbox"/> Written Sequence Listing - 11 pages.</li> <li>e. <input checked="" type="checkbox"/> Response To Notification Of Missing Requirements Under 35 U.S.C. 371.</li> <li>f. <input checked="" type="checkbox"/> Replacement Copy of As-Filed Application - 149 Sheets.</li> </ol> </li> </ol>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/563,221		INTERNATIONAL APPLICATION NO. PCT/IB2004/002657		ATTORNEY'S DOCKET NUMBER 03447.0016	
The following fees have been submitted:				CALCULATIONS	PTO Use Only
21. <input type="checkbox"/>	BASIC NATIONAL FEE (37 CFR 1.492(a)): .....			\$300.00	
22. <input type="checkbox"/>	Examination fee (37CFR 1.492(c))				
If the Written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$0	
All other situations.....				\$200	
23. <input type="checkbox"/>	Search fee (37 CFR 1.492(b))				
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....				\$100	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....				\$400	
All other situations.....				\$500	
<b>TOTAL of 21, 22 and 23 =</b>					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof (round up to a whole number)	Rate
180 - 100 =		80/50=2		2	x \$250.00
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					
CLAIMS		NUMBER FILED		NUMBER EXTRA	RATE
Total Claims		79 - 20 =		59	x \$50.00
Independent Claims		5 - 3 =		2	x \$200.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable)					+\$360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR 1.492(i)).					
<b>TOTAL NATIONAL FEE =</b>					
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.					
<b>TOTAL FEES ENCLOSED =</b>					
					Amount to be refunded:
					\$
					charged:
					\$
<p>a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-0916</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p><b>SEND ALL CORRESPONDENCE TO:</b></p> <p>Finnegan, Henderson, Farabow, Garrett &amp; Dunner, L.L.P. 901 New York Avenue, N.W. Washington, DC 20001-4413 EFC/FPD/sci</p> <p style="text-align: center;">         SIGNATURE        Ernest F. Chapman/25,961        NAME/REGISTRATION NUMBER     </p> <p>DATED: July 14, 2008</p>					

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SEND ALL CORRESPONDENCE TO:					
Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 901 New York Avenue, N.W. Washington, DC 20001-4413 EFC/FPD/sci			 SIGNATURE Ernest F. Chapman/25,961 NAME/REGISTRATION NUMBER		
DATED: July 14, 2008					

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
<b>Armelle PHALIPON et al.</b>	)	Confirmation No.: <b>1080</b>
	)	
Application No.: <b>10/563,221</b>	)	Group Art Unit: <b>Not Yet Assigned</b>
	)	
Filed: <b>January 4, 2006</b>	)	Examiner: <b>Not Yet Assigned</b>
	)	
National Stage of International Application No.	)	
<b>PCT/IB2004/002657</b> under 35 U.S.C. 371, for	)	
<b>GLYCOCONJUGATES AND THEIR USE AS</b>	)	
<b>POTENTIAL VACCINES AGAINST</b>	)	
<b>INFECTION BY SHIGELLA FLEXNERI</b>	)	

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

**UNDER 35 U.S.C. 371**

In response to the Notification of Missing Requirements dated May 15, 2008, issued by the U.S. Patent and Trademark Office, filed herewith is a replacement copy of the as-filed application which contains 149 sheets and a copy of the Notification of Missing Requirements. It is requested that this replacement copy of the as-filed application be made of official record in the above-identified patent application.

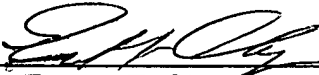
If there are any fees due in connection with the filing of these drawings, please charge the fees to our Deposit Account No. 06-0916. If a fee is required for an

extension of time under 37 C.F.R. 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: July 14, 2008

By:   
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/sci



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/563,221	Armelle Phalipon	03447.0016

22852

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
LLP

901 NEW YORK AVENUE, NW  
WASHINGTON, DC 20001-4413

INTERNATIONAL APPLICATION NO.

PCT/IB04/02657

I.A. FILING DATE	PRIORITY DATE
07/02/2004	07/04/2003

CONFIRMATION NO. 1080  
371 FORMALITIES LETTER



0000000029952613

Date Mailed: 05/15/2008

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 01/04/2006
- Copy of the International Search Report filed on 01/04/2006
- Information Disclosure Statements filed on 01/04/2006
- Biochemical Sequence Diskette filed on 06/13/2006
- Oath or Declaration filed on 06/13/2006
- Biochemical Sequence Listing filed on 01/04/2006
- U.S. Basic National Fees filed on 01/04/2006
- Priority Documents filed on 01/04/2006
- Specification filed on 01/04/2006
- Claims filed on 01/04/2006
- Abstracts filed on 01/04/2006
- Drawings filed on 01/04/2006

**RECEIVED**

MAY 19 2008

**FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, LLP**

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. The current translation of the application into English is defective as described below. Note a processing fee will be required if submitted later than 30 months from the priority date.
- The right hand margins some of the words are cut off, need to submit a new translation.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

page 1 of 2

**RTK**

MAY 21 2008

Docketed 5-19-08 Attorney KJM-USO  
Case 03447-0016  
Due Date 7-15-08  
Action Eng Translation due  
By RON

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

SHELBY J MILLER

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Telephone: (703) 308-9140 EXT 224